CLAIMS

What is claimed is:

1. A wall anchor for a screw of the type having a longitudinal axis comprising:

two shafts having a respective generally tubular form of revolution about the axis and mutually opposed longitudinally;

a head shaft having an internally free coaxial passage for a screw rod of the screw and bearing externally a transverse longitudinally end collar;

a screw nut shaft having on the inside a coaxial internal screw thread capable of co-operating with said screw rod and bearing at its outer periphery a plurality of approximately longitudinal teeth distributed angularly about the axis, and forming a longitudinal projection with respect to the screw nut shaft longitudinally opposite to the head shaft with respect to the screw nut shaft;

a plurality of approximately longitudinal bars distributed angularly about the axis disposed between the head shaft and screw nut shaft, said bars being plastically flexible in a direction away from the axis , in order to pass from an initial configuration to an anchoring configuration of the wall anchor; and

each tooth converges towards the axis in a longitudinal direction going from the head shaft towards the screw nut shaft, and which tooth has a generally triangular shape defined by a side for connection to the screw nut shaft and by two free sides, such that the teeth together define a point symmetrical with respect to the axis, projecting longitudinally on the screw nut shaft in said longitudinal direction.

2. A wall anchor according to claim 1, wherein said side for connection of each tooth to the screw nut shaft constitutes a privileged zone of flexing by plastic deformation, and each tooth is capable of pivoting about said respective connection side, with respect to the screw nut shaft, in a direction away from the axis, in particular under a thrust exerted by the screw rod of the screw in said longitudinal direction.

3. A wall anchor according to claim 1, wherein at least one of said free sides of each tooth, turned in a specific circumferential direction, is in the form of a cutting edge.

4. A wall anchor according to claim 3, wherein said free sides of each tooth are in the respective shape of a cutting edge.

5. A wall anchor according to claim 3, wherein the head shaft has an indentation for cooperating with a screwdriver around said free coaxial passage

6. A wall anchor according to claim 1, wherein each tooth is concave between said free sides.

7. A wall anchor according to claim 1, wherein each tooth is produced in one piece with the screw nut shaft.

8. A wall anchor according to claim 7, wherein said anchor is formed at least essentially from a single pressed metal strip.

9. An assembly constituted by a wall anchor according to claim 1, and a screw, including a transverse head capable of bearing against the collar of the head shaft in said longitudinal direction and a longitudinal screw rod having an end for rigid connection to said head and a free end longitudinally opposed to said head and capable of freely traversing, coaxially, the passage of the head shaft and of co-operating with the internal thread of the screw nut shaft;

wherein the screw rod has between said ends a longitudinal dimension such that its free end is accommodated between the teeth of the screw nut shaft, or set back longitudinally with respect to the latter but in engagement with the internal thread of the screw nut shaft, when the head of the screw bears against the collar of the head shaft in said initial configuration.